

Number and Name of SCOR Working Group

1. Brief summary with the main highlights (200-300 words)

WG 150 - Translation of Optical Measurements into particle Content, Aggregation & Transfer (TOMCAT)

2. Activities since previous report to SCOR (e.g., virtual or in-person meetings, email discussions, special sessions). Limit 1000 words

Nothing to report. Final plans to hold a summer school in South Africa did not materialize.

3. Documents published since previous report to SCOR (e.g., peer-reviewed journal articles, reports, Web pages) and should be limited to publications that resulted directly from WG activities and which acknowledge SCOR support

No further publications since last year.

4. Progress toward achieving group's terms of reference. List each term of reference separately and describe progress on each one. Limit 1000 words

Please see previous reporting towards terms of reference. Noting that our principle SCOR WG publication in Frontiers "Deriving a Proxy for Iron Limitation From Chlorophyll Fluorescence on Buoyancy Gliders" has received an impressive impact with 32 672 total views, 30 075 article views and 6 853 downloads.

5. WG activities planned for the coming year. Limit 500 words

We intended to continue our capacity building efforts in Africa by training scientists from developing countries and to introduce the PlanktoScope to the community as a low cost camera system towards increasing the general usage of imaging devices in the framework of oceanography. Unfortunately we did not manage to pull this off and as such the TOMCAT project can be closed. With gratitude.

6. Is the group having difficulties expected in achieving terms of reference or meeting original time schedule? If so, why, and what is being done to address the difficulties Limit 200 words

We clearly had difficulties meeting the original time schedule for the summer school relating primarily to covid restrictions. I believe that Sari still intended to try to achieve the summer school in a final additional year but this was not managed and it is not clear to me what the exact difficulties / obstacles were.

7. Any special comments or requests to SCOR. Limit 100 words.

We would like to thank SCOR for its generous support throughout the years. This was a successful working group that was tremendously appreciated by all who participated. The meetings achieved an amazing camaraderie between previously unacquainted researchers from a variety of fields and international institutions that remains to this day and is testament to the impact of SCOR working groups.

Additional information can be submitted and may be posted at the SCOR Annual Meeting webpage at the discretion of the SCOR Executive Committee Reporter for the WG and the SCOR Secretariat.